

New Solar Homes Partnership

Agenda

- 1. NSHP Program Activity: Jan 2007-March 2009**
- 2. Staff-Proposed Guidebook Changes**
- 3. Broader issues for discussion/ consideration**

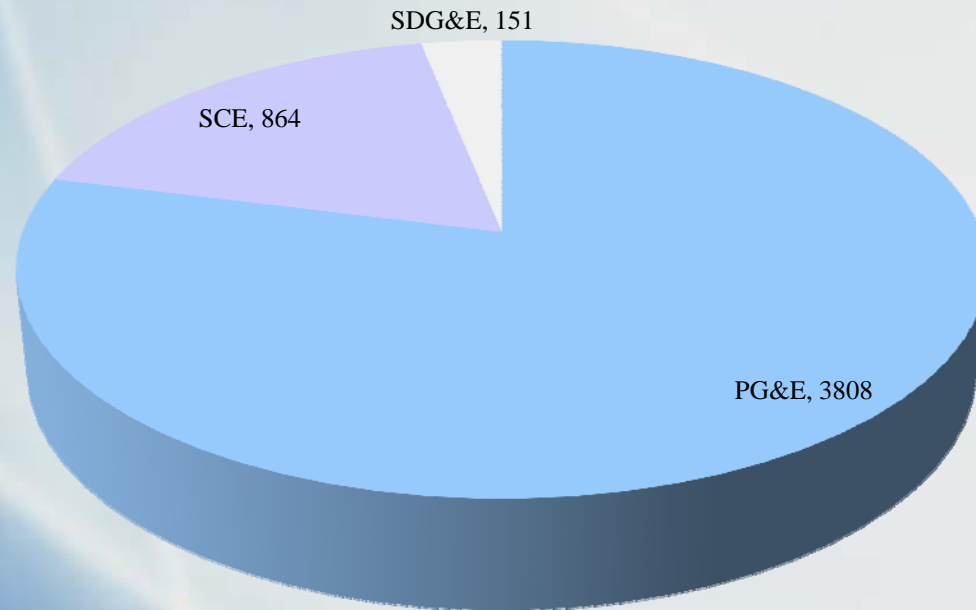
Sandy Miller

NSHP Program Lead
Renewable Energy Office

April 3, 2009



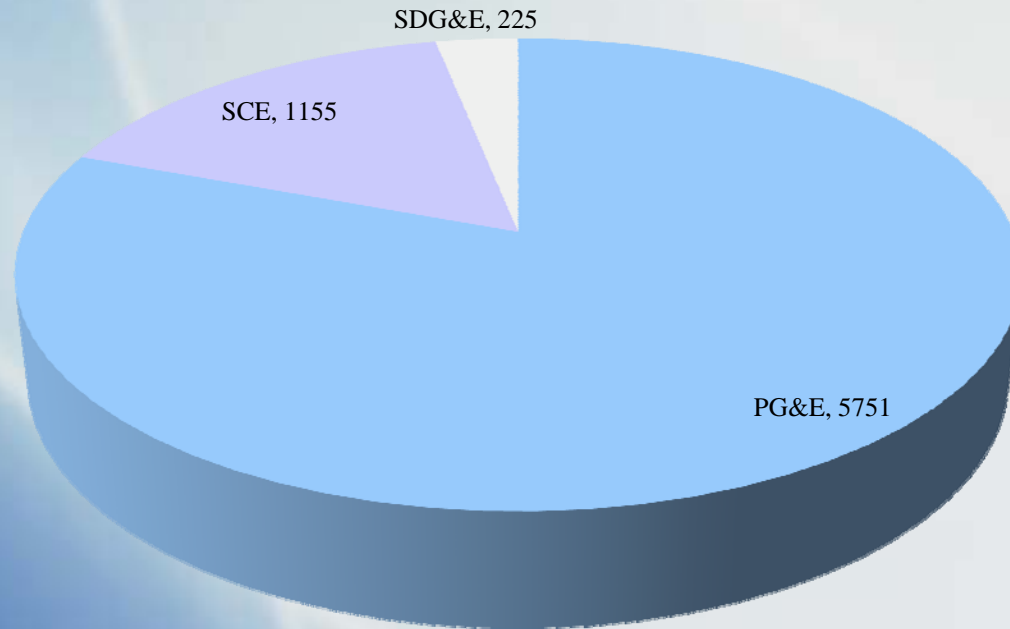
Total Number of PV Systems per Investor-Owned Utility as of July 9, 2008 (Under review, approved, completed)



4823 Systems
(includes 162 affordable housing systems)



Total Number of PV Systems per Investor-Owned Utility as of April 1, 2009 (Under review, approved, completed)



Total = 7131 Systems
(xxx systems are affordable housing)

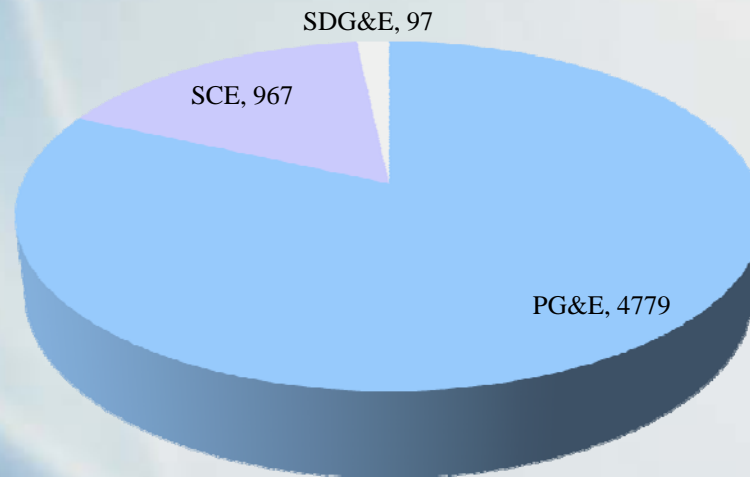


**Change in number of PV systems since last NSHP
Advisory Committee meeting,
July 2008-April 2009:**

+ 2308 PV systems



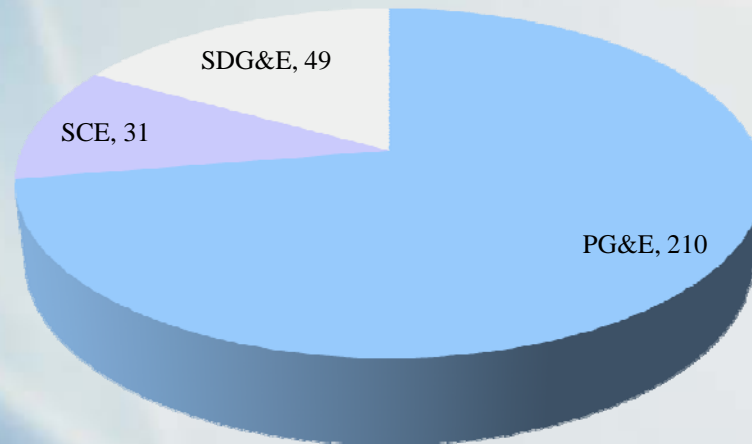
Systems in Housing Developments where Solar is Standard (Approved + Completed)



Total Systems in Developments:
5843



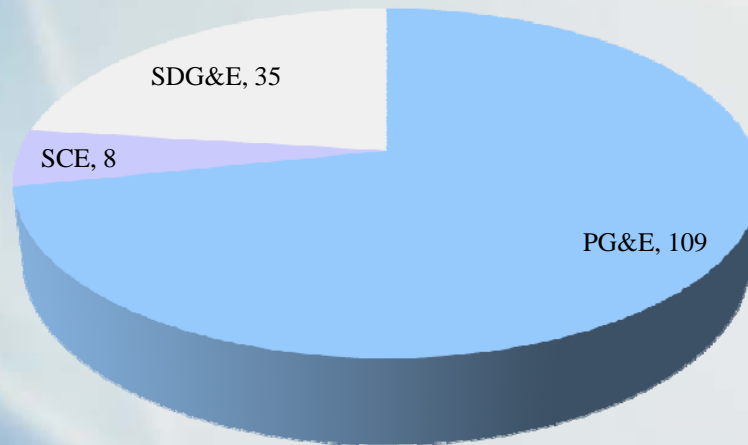
Custom Home Systems (Approved + Completed)



Total Applications: 290



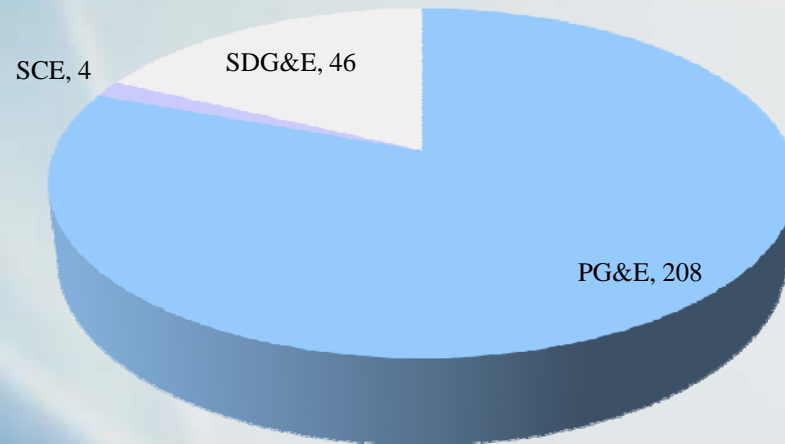
Other Developments (Approved + Completed)



Total systems = 152



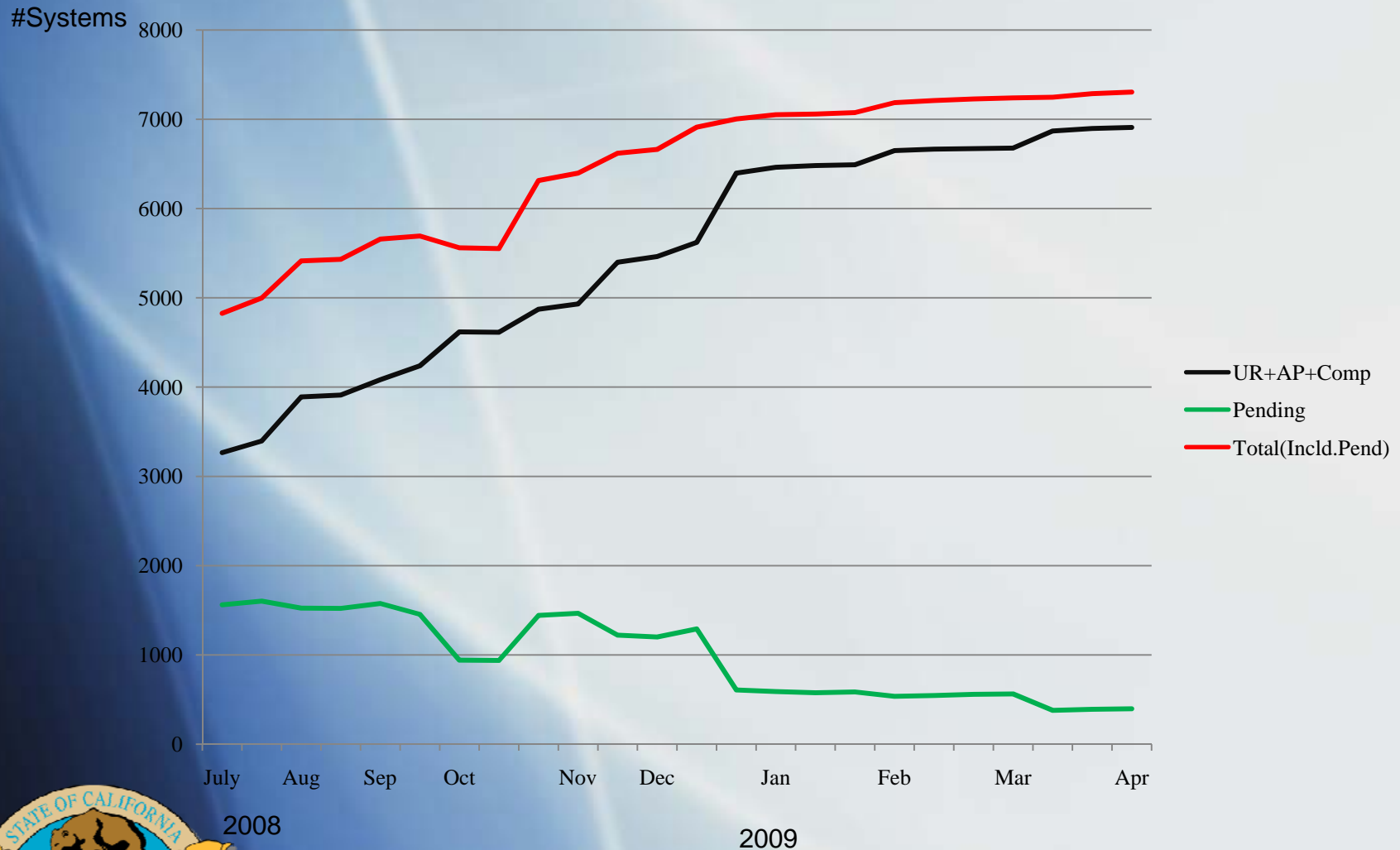
Affordable Housing Systems (Approved + Completed)



Total Systems = 258



All Residential Systems



UR= Under review; AP= Approved; Comp= Completed
Pending= Incomplete applications.



Solar as Standard

Systems



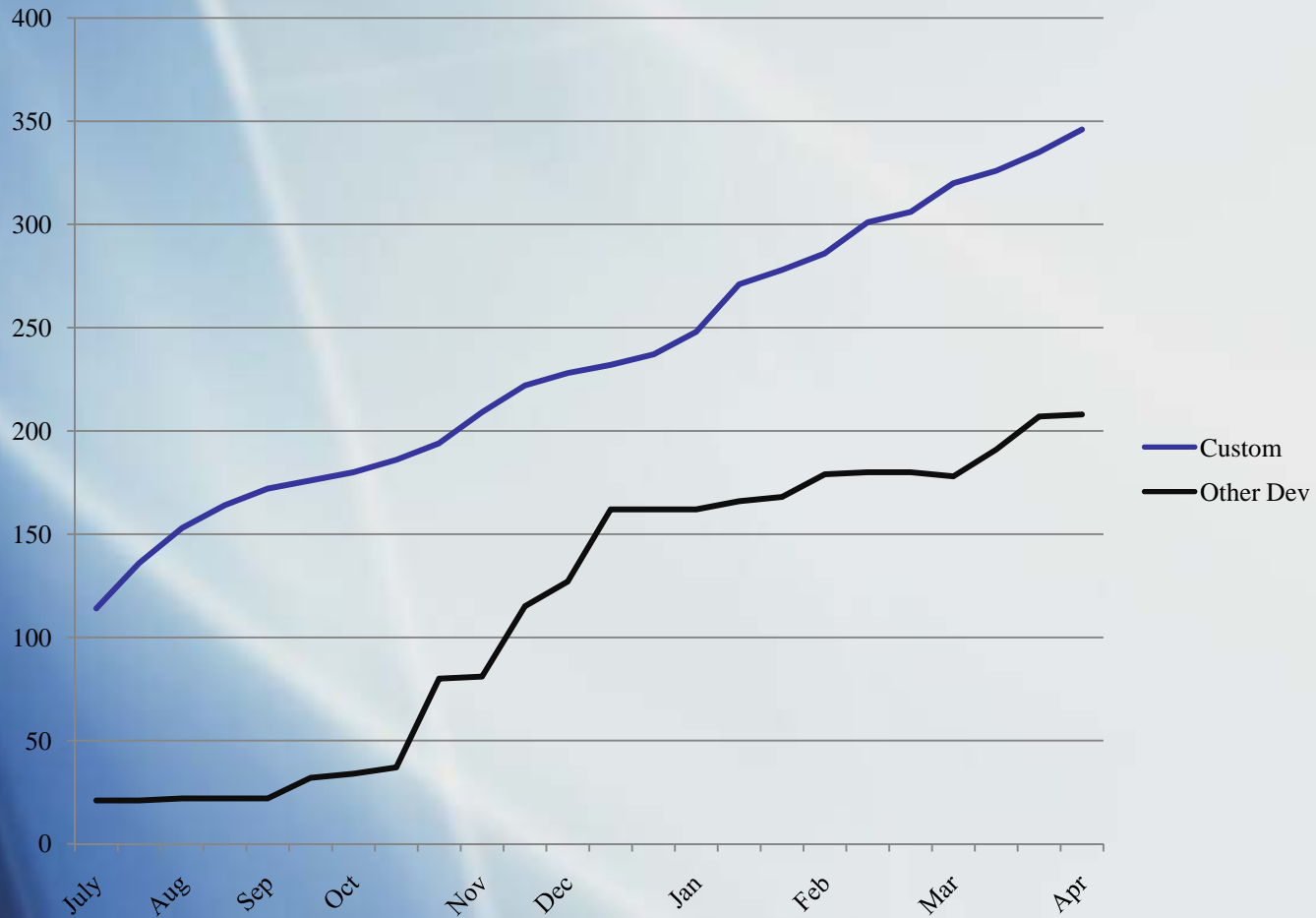
2008

2009



Custom & Other Developments

Systems



2008

2009



Total Approvals:

Systems: 6285

Encumbered: \$ 35.6 million

Capacity: 13+ MW

Total Payments to date:

Systems: 924

Paid: \$6.4 million

Capacity: 2.3 MW



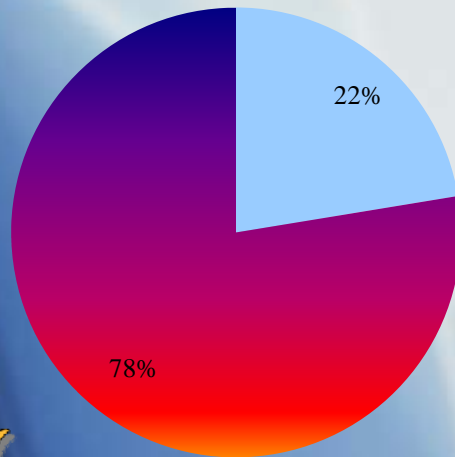
Energy Efficiency Experience:

Tier 1: 15%+

Tier 2: 35%+

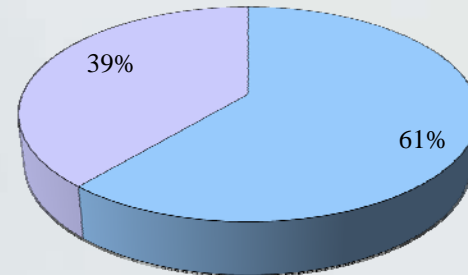
**Tier I vs. Tier II
(Approved Systems)
9/08**

■ Tier I ■ Tier II



**Tier 1 vs. Tier 2
(Completed Systems) 3/09**

■ Tier 1 ■ Tier 2



MWs, Potential Cancellations, Near-Term

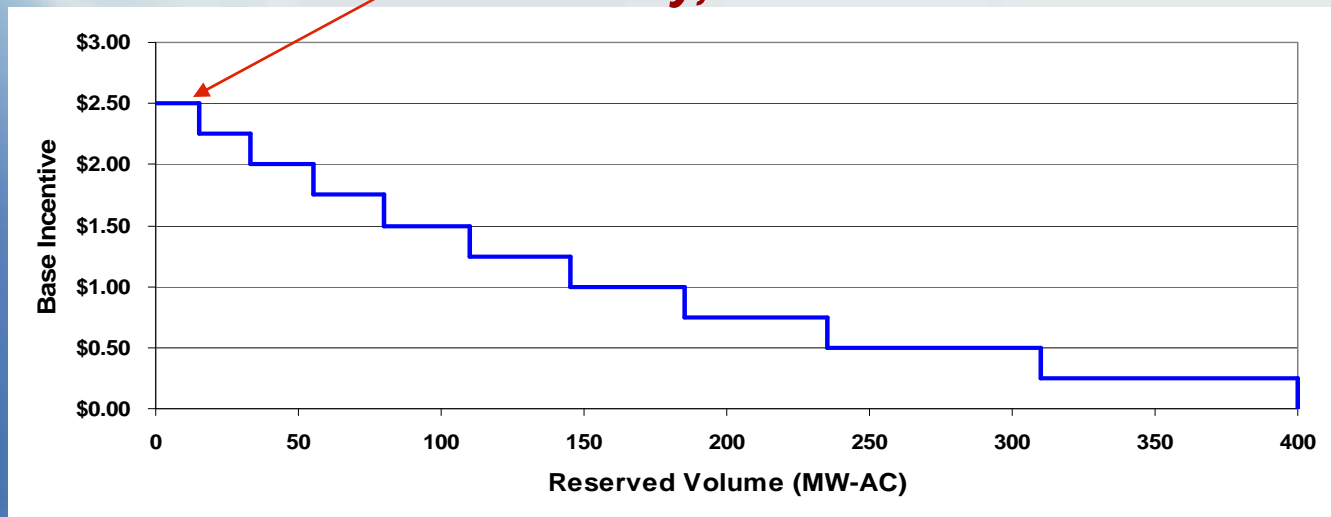
- Progress towards reserving 1st volume bucket: If all systems get built: 13+ MW
 - (Completed, approved, & complete applications under review)
- ❖ Uncertainties: Cancellations/expired apps.
- ❖ Near-term activity: Slowing



- **Incentives Decline 10% -
as MW targets are achieved
to zero over 10 year program duration**

- ❖ **When: To be determined.**
- ❖ **30 Day Notice will be given.**

Here today, 13.7 MW



NSHP Application Web Tool

❖ Purposes:

- Streamline the process for builders/ installers to submit applications and rebate requests for New Solar Home installations
- Record Retention and sharing of information between the utilities and the Energy Commission
- Summary statistics reporting
- Email notifications

NSHP Web tool: <http://www.newsolarhomes.org>



Staff-Proposed Changes

- ❖ General program
- ❖ Paperwork
- ❖ Additional Policy Issues
- ❖ Energy Efficiency
- ❖ CEC PV Calculator



General Program:

- ❖ Solar as an option (limits reservation to 10% of development): Eliminate or revise to allow a higher %.
- ❖ Allow 6+ home phases to qualify for Solar as Standard incentives (solar on 50%+ of homes in phase would still be required)
- ❖ System size: Limit incentives to the first 10 kW of a system, and drop system size justification.
- ❖ NSHP-1.6 reservation- Drop, due to lack of use.



- ❖ Option to increase system size after initial reservation approval.
- ❖ Leasing/third-party ownership: soliciting stakeholder input on guidelines, requirements and conditions.

Affordable Housing:

- ❖ Remove the 45 year affordable status requirement
- ❖ Allow EE 60 days after TCAC approval.
- ❖ Incorporate VNM as necessary subject to PRC 25401.6.



Paperwork Simplification:

❖ Eliminate:

☐ Hard copies of:

- Residential New Construction (RNC) program acceptance letter,
- Certificate of Field Verification and Diagnostic Testing (CF-4R and CF-4R-PV forms),
- Interconnection letter.

Program administrators will check that these forms have been submitted internally and through the Home Energy Rating Systems (HERS) registries.

☐ Build-out schedule, system size justification letter, final solar permit sign-off, and final paid invoice.

- ❖ Affordable housing applications: random audits to check maintenance and monitoring plan
- ❖ Option to allow payee to sign all required documents.

- ❖ Require the Payee Data Record form STD-204 at the payment claim step.



Additional Policy Issues to Ponder:

- ❖ Length of reservation: Large builders would like to reserve funding for a longer term in order to secure longer term incentives. (Currently Base incentive = 18 months & Solar as Standard = 36 months). Staff is soliciting stakeholder input.
- ❖ Target audience: builder/developer?
- ❖ Other? NSHP rebate level?

